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09/618,516	07/18/2000	Gary E. Lavelle	LOCK/170/US	9389

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EXAMINER	
VU, THONG H	

ART UNIT	PAPER NUMBER
2142	2

DATE MAILED: 11/26/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/618,516	LAVELLE ET AL.	
	Examiner	Art Unit	
	Thong H Vu	2142	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *18 July 2000* .

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-49* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-49* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____ .

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

1. Claims 1-49 are pending.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 1-49 are rejected under 35 U.S.C. § 103 as being unpatentable over Huang et al [Huang 6,571,245 B2] in view of Cromer et al [Cromer 6,304,900 B1]

3. As per claim 1, Huang discloses an internet based access point management system accessible by at least one internet web browser [Huang, a web browser application, col 5 lines 55-65] the internet based access point management system comprising:

a web server operative with the at least one computer processor and the web server being configured to receive and respond to one or more requests communicated from the at least one web browser [Huang, site server 230, Fig 2];

a database server operative with the at least one computer processor [Huang, database server 276, Fig 2];

an application server operative with the at least one computer processor and being configured to communicate with the web server and the database server for processing requests, the processing of requests comprising formulating one or more system commands in response to the requests [Huang, application server 290,Fig 2, col 16 lines 12-34];

a communication link configured to connect the application server and the one or more computer managed openings for communication there between [Huang, communications link, col 3 line 55-col 4 line 17]

However Huang did not detail a web browser configured to communicate one or more requests comprising modifying operation of one or more computer managed openings located at one or more facilities; and the communication link comprising the one or more system commands which modify operation of the one or more computer managed openings

A skiled artisan would have motivation to improve the client-server communications link and found Cromer teaching. Cromer taught a technique of modifying operation of the network hardware [Cromer, abstract, col 3 lines 50-65, col 7 lines 3-12, col 8 lines 21-43] and command which modifies operation of the remote system [Cromer col 9 lines 13-19]

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the technique of modifying operation of the network hardware as taught by Cromer into the Huang's apparatus in order to utilize the client/server communications link. Doing so would provide a dynamic and efficient for managing access point via a large network.

4. Claims 21,34,36 contain the similar limitations set forth of method claim 1. Therefore, claims 21,34,36, are rejected for the similar rationale set forth in claim 1.

5. As per claims 2,21 Huang-Cromer disclose the one or more computer managed openings each comprise an access point each connected to a controller; the communication link comprises a mail server operative with the at least one computer processor and being configured for communication of electronic messages in electronic mail format over the internet; a local mail server or mail client operative with another computer processor and being configured to receive the electronic messages in electronic mail format over the internet from the mail server; and a local gateway configured to communicate with the local mail server and the controllers; and the application server is configured to incorporate system commands into electronic messages in electronic mail format and to communicate with the mail server as inherent feature of E-mail server [Huang, Email server 272 Fig 2] [see Nicholls reference]

6. As per claims 3,22 Huang-Cromer disclose each controller comprises:
a power supply; a transceiver for communication with the local gateway; a processor energized by the power supply and connected in circuit with the transceiver; non-volatile memory connected in circuit with the processor; a clock connected in circuit with the processor; an input port for receiving user input; and an output port for connection to a locking device, the locking device being mechanically connected to the access point as inherent feature of Controller server [Huang, controller server 240, Fig 2].

7. As per claim 4, Huang-Cromer disclose the system commands modify operation of the one or more computer managed openings in order to perform at least one of the

functions selected from the group consisting of assigning a user's access credentials, grouping a user's access privilege with a respective access point and scheduling time events as inherent feature of modify operation [Cromer abstract].

8. As per claim 5, Huang-Cromer disclose the processing of requests by the application server also comprises assembling a response for communication to the web server [Huang, site server 230, application server 290, Fig 2].

9. As per claim 6, Huang-Cromer disclose the database server stores one or more of the following: individual local gateway electronic mail address, software components, gateway configuration database, individual computer managed opening identification, CMO firmware, CMO configuration and gateway and controller onboard databases as inherent feature of database server [Huang, database server 276, Fig 2].

10. As per claim 7, Huang-Cromer disclose the database comprises:

a user database comprising user group layers, user groups related to particular user group layers and users related to particular user groups; an access type database comprising readers [a database can be provided to assist user,Huang col 14 lines 6-14];

an access point database comprising access point groups with particular access points related thereto and to a computer managed opening type; an operator database comprising operators being related to user group layers and particular user groups, the

operators also being related to access point groups and access points [Huang, a controller server database, col 4 lines 31-46];

a local gateway database comprises computer managed opening type [database server 276, Huang Fig 2]; and wherein the users are related to a particular access type and the user groups are related to a particular access point, the computer managed opening type is related to particular readers, configuration database and time management of each access point and/or access point grouping as a design choice of database [see Chess reference].

11. As per claims 8,24 Huang-Cromer disclose the local gateway comprises a gateway server component and an electronic mail agent component as inherent feature of gateway.

12. As per claim 9, Huang-Cromer disclose the local gateway converts the electronic messages from the electronic mail format to LonTalk protocol as inherent feature of Internet software [see Wewalaarachchi reference].

13. As per claims 10,25 Huang-Cromer disclose the local gateway converts the electronic messages from the electronic mail format to another format comprising a command string comprising a command identification, a length of one or more commands and at least one command as inherent feature of gateway.

14. As per claim 11, Huang-Cromer disclose the local gateway further comprises an encryption/decryption device for encrypting/decrypting the electronic messages in electronic mail format and further comprising an encryption/decryption server operative with the at least one computer processor for encrypting/decrypting the electronic messages in electronic mail format as inherent feature of gateway or firewall.

15. As per claims 12,26 Huang-Cromer disclose the electronic messages in electronic mail format comprise: a subject comprising a message index; and attached files comprising at least one command file and at least one database table file as inherent feature of Email server.

16. As per claims 13,27 Huang-Cromer disclose the local gateway further comprises an encryption/decryption device for encrypting/decrypting at least one database table file and/or at least one database table file and further comprising: an encryption/ decryption server operative with the at least one computer processor for encrypting/ decrypting at least one command file and/or at least one database table file as inherent feature of gateway or firewall.

17. As per claims 14,28 Huang-Cromer disclose the command file comprises a consecutive byte string absent delimiters as inherent feature of modify operation as inherent feature of command to modify operation [Cromer col 3 lines 50-55].

18. As per claims 15,29 Huang-Cromer disclose the consecutive byte string comprises a transaction identification, a number of commands in the byte string and a command body as inherent feature of command to modify operation [Cromer col 3 lines 50-55].

19. As per claims 16,30 Huang-Cromer disclose the command body comprises a length of the command body, a command identification, computer managed opening identification, computer managed opening sub-identification and at least one command parameter as inherent feature of parameters modify operation [Cromer col 8 lines 32-43].

20. As per claims 17,31 Huang-Cromer disclose the one or more computer managed openings are configured to generate reply messages which are converted into electronic mail format by the local gateway as inherent feature of gateway.

21. As per claims 18,32 Huang-Cromer disclose the electronic mail format of the reply messages comprises: a subject which comprises at least one of a transaction identification or a message index; a contents which comprises a predefined success or failure indication; and attached files comprising at least one database table file as inherent feature of Email server.

22. As per claims 19,33 Huang-Cromer disclose an encryption/decryption server operative with the at least one computer processor for encrypting/decrypting at least one command file and/or at least one database table file as inherent feature of gateway or firewall.

23. As per claim 20, Huang-Cromer disclose the at least one computer processor comprises three computer processors and wherein each of the web server, database server and application server each are operative with a separate one of the three computer processors [Huang Fig 2].

24. As per claims 35,37 Huang-Cromer disclose the one or more computer managed openings each comprise an access point connected to a controller and further comprising: a file transfer protocol server operative with a computer processor and configured to communicate with the web browser for converting the system commands into a format compatible with that used by access points and for downloading the system commands to a portable device for transfer to a particular controller [Huang, FTP access, col 9 lines 54-62; a viewer /converter col 10 line 61-col 11 line 5].

25. As per claim 38, Huang-Cromer disclose the similar limitations as set forth in claim 1 except processing the request at the remote computer managed opening server in order to generate an acknowledgement of the request and to generate one or more

system commands [Huang, files updated or synchronized at specific time, col 12 lines 10-19].

26. As per claim 39, Huang-Cromer disclose the similar limitations as set forth in claim 1 except the step of selecting the appropriate electronic format is also performed by the application server [Huang, a view/ converter, col 10 line 61-col 11 line 5] and comprises selecting file transfer protocol for the system commands where the computer managed opening is stand-alone based [Huang, FTP, col 9 lines 54-62] and selecting electronic mail message format for the system commands where the computer managed opening is network or modem based [Huang col 11 lines 23-30].

27. As per claim 40, Huang-Cromer disclose communicating the system commands in file transfer protocol to the web server for communication to the web browser where the computer managed opening is stand-alone, whereupon an administrator may download and transfer the system commands to a controller [Huang FTP, col9 lines 54-62]; and communicating the system commands to a mail server in electronic mail message format for communication thereof to a local mail server, the local mail server communicating the system commands to a local gateway which translates the system commands into another format for communication to one or more controllers [Huang, a view / converter, col 10 line 61-col 11 line 5].

28. As per claim 41, Huang-Cromer disclose the local gateway translates electronic mail message format into a command string comprising a command identification, a length of one or more commands and at least one command [Cromer,new buffer size, col 9 lines 12-19].

29. As per claim 42, Huang-Cromer disclose the electronic messages in electronic format comprises: a subject comprising a message index; and attached files comprising at least one command file and at least one database table file [Huang, attachment, col 11 lines 31-37].

30. As per claim 43, Huang-Cromer disclose encrypting and decrypting the command file and/or the database table file [Huang, firewall 232, Fig 2].

31. As per claim 44, Huang-Cromer disclose the command file comprises a consecutive byte string absent delimiters as inherent feature of command [Huang, col 16 lines 12-40].

32. As per claim 45, Huang-Cromer disclose the consecutive byte string comprises a transaction identification, a number of commands in the consecutive byte string and a command body as inherent feature of command.

33. As per claim 46, Huang-Cromer disclose the command body comprises a length of the command body, a command identification, computer managed opening identification, computer managed opening sub identification and at least one command parameter as inherent feature of command.

34. As per claim 47, Huang-Cromer disclose generating reply messages by the computer managed opening and the reply messages being in electronic mail format as inherent feature of email server.

35. As per claim 48, Huang-Cromer disclose the electronic mail format of the reply messages comprises: a subject which comprises at least one of a transaction identification or a message index; a contents which comprises a predefined success or failure indication; and attached files comprising at least one database table file as a design choice of electronic mail format.

36. As per claim 49, Huang-Cromer disclose encrypting and decrypting the reply messages [Huang, firewall 232, Fig 2].

37. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Thong Vu, whose telephone number is (703)-305-4643.
The examiner can normally be reached on Monday-Thursday from 8:00AM- 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley, can be reached at (703) 308-5221.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-9700.

Any response to this action should be mailed to: Commissioner of Patent and Trademarks, Washington, D.C. 20231 or faxed to :

After Final	(703) 746-7238
Official:	(703) 746-7239
Non-Official	(703) 746-7240

Hand-delivered responses should be brought to Crystal Park 11,2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Thong Vu
Patent Examiner
Art Unit 2142

